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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/942,641

08/31/2001

Hisashi Ohki

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STAAS & HALSEY LLP
SUITE 700
1201 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

EXAMINER

LIANG, REGINA.

ART UNIT

PAPER NUMBER

2629

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
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3 MONTHS

01/10/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

09/942,641

Applicant(s)

OHKI ET AL.

Examiner

Regina Liang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 November 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,3-8,10-13,15-18 and 20-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 3-8, 10-13, 15-18, 20-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This Office Action is responsive to amendment filed 11/2/06. Claims 1, 3-8, 10-13, 15-18, 22-30 are pending in the application.

2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 103

3. Claims 1, 3-8, 10-13, 15-18, 20-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Forlenza et al. (EP 0 886 204) in view of Qureshey et al. (Pub. No. US 2002/0002039) and Yutaka et al. (JP -09026832).

As to claims 1, 5, 7 and 30, Forlenza discloses an electronic equipment (C, Figs. 1A, 1B), comprising: a main body having main display section (D); an auxiliary display section (54) fixed to the main body and configured to display status information of the electronic equipment; a plurality of buttons (92, Fig. 2) adjacent to the auxiliary display section, a lid (D) selectively moveable between an opened position (see Fig. 1A) in which the main (D) and auxiliary display (54) sections and the plurality of buttons (92) are visible and a closed position (see Fig. 1B) in which the main display section (D) is not visible but the auxiliary section (54), the plurality of buttons (92) are visible from outside of the electronic equipment when the lid is in the closed position (see Figs. 1B and 2), and a controller (55, Fig. 3).

It is noted that Forlenza does not specifically disclose a mode selection button, configured to instruct the operation mode of the electronic equipment, positioned adjacent the auxiliary display section at a position distinguished from the plurality of buttons positions, and

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the auxiliary display displaying definitions or meaning of the plurality of buttons at positions corresponding to the respective plurality of buttons. Qureshey is cited to teach a display device comprising a mode selection button 1216, 1260-1266, Fig. 12A) configured to instruct the operation mode of the electronic equipment and the plurality of buttons (1821-1825, Figs. 20A-20F) having respective instruction contents which differ, depending on the operation mode of the electronic equipment. Qureshey also teaches the display section (1230, Fig. 12A) displaying definitions or meaning of the plurality of buttons at positions corresponding to the respective plurality of buttons (Fig. 20A for example). It would have been obvious to one of ordinary skill in the art to have modified the device of the Forlenza with the features of the meaning of the keys corresponding to the display sections according to a mode selection key as taught by Qureshey so that the user can input more functions with limited number of keys.

It is also noted that both Forlenza and Qureshey do not disclose that the auxiliary display section, the plurality of buttons including the application buttons,, and the mode selected button remain visible from the outside of the electronic equipment in an intermediate position between the open and closed position of the lid. Yutaka is cited to teach a portable display including an auxiliary display section (20) for displaying information such as time and schedule, the display of a pager calling, the reception of a mail, and a pocket electronic calculator. The auxiliary display 20 continuously displays the functions for 24 hours and it can be seen all the time even the in an intermediate position between the open and closed position of the lid (see Figs. 1 and 2). It would have been obvious to one of ordinary skill in the art to have modified Forlenza and Qureshey with the features of location of auxiliary display as taught by Qureshey so that the information displaying on auxiliary display can be seen all the time.

As to claim 3, it is noted that Qureshey discloses that the plurality of buttons (1821-1825) are all provided below the auxiliary display section (1841-1845).

As to claims 4, 6 and 8, Qureshey discloses the operation mode includes at least two modes such as a portable recording medium (1854, Fig. 18G) and a news mode (1821, Fig. 20B).

As to claims 10, 15, 20, Forlenza discloses that another auxiliary display section (e.g. the main display including more than one display sections or windows) that is covered by the lid (D) when the lid is closed (Fig. 1B).

As to claims 11, 16, 21, Forlenza discloses a main body provided with the plurality buttons (92) and accommodating the controller, the lid member (D) being pivotally mounted on the main body and another auxiliary display section (54) that is provided on the main body (see Figs. 1A, 1B).

As to claims 12, 17, 22, Forlenza discloses a main body and the lid (D) being mounted to the main body for rotation between the opened and closed positions thereof (see Figs. 1A, 1B).

As to claims 13, 18, 23, Forlenza discloses the main display (D) is mounted on a main surface of the lid, in the closed position of the lid, opposes a corresponding main surface of the main body (see Figs. 1A, 1B).

As to claims 24-26, it would have been obvious to have arranged the plurality of the buttons and the mode select button in any side of the auxiliary display section because it depends how many button can be fitted for one side of screen.

As to claim 27-29, Forlenza discloses that the main and auxiliary section display sections and the plurality of buttons are visible from a common viewing position in the opened position of the lid (see Fig. 1A, and in the closed position of the lid, the auxiliary display section and the

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plurality of buttons and the mode select button remain visible from the common viewing position (see Fig. 1B).

Response to Arguments

4. Applicant's arguments filed 11/2/06 have been fully considered but they are not persuasive.

Applicant's remarks on pages 9-11 that none of Forlenza, Qureshey et al or Yutaka et al discuss or suggest "a controller configured to display definitions or meanings of the plurality of buttons, within the auxiliary display section at positions corresponding to the respective plurality of buttons, depending on the operation mode of the electronic apparatus", are not persuasive. Forlenza teaches the LCD control circuitry 55 provides control signals for the LCD status display 54 (auxiliary display section), the status display 54 includes an music icon 90d representative of a secondary mode of operation (CD player mode) for the computer system, and the buttons 92 provide CD player control functions such as play/pause, stop, previous track, next track, volume controls, etc. Figs. 12A, 18A, 20A-20F of Qureshey teaches an electronic apparatus comprising a display section which displays definitions or meaning of buttons at positions corresponding to the respective plurality of buttons depending on the operation mode of the electronic apparatus (section [0166] of Qureshey states "the menu buttons 1821-1825 are in the group of menu buttons 1212 and are provided to correspond to icons 1841-1845 residing in the lower portion of the display 1800. Each one of the icons 1841-1845 represents a different function to be performed with respect to a selected audio source" and see Fig. 20A for example, buttons 1821-1825 correspond to a "pause" function, a "next" function, a "previous" function, and "add favorites" function, and a "stop" function). Thus, Forlenza as modified by Qureshey teaches "a

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controller configured to display definitions or meanings of the plurality of buttons, within the auxiliary display section at positions corresponding to the respective plurality of buttons, depending on the operation mode of the electronic apparatus” as recited in claim 1.

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

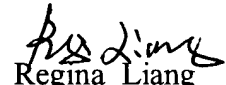
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Regina Liang whose telephone number is (571) 272-7693. The examiner can normally be reached on Monday-Friday from 8AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe, can be reached on (571) 272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications

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may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Regina Liang
Primary Examiner
Art Unit 2674

1/5/07